Starlight Full HD-SDI Camera

—-High quality image even in very low light conditions without IR/LEDs

"A New STAR Is Born" **——- STARLIGHT Full HD-SDI CAMERA**

This camera series features super high resolution of 1080P and can see in the dark with no distance limitations without IR LEDs.

Even at the toughest dark situations, it amplifies and maximizes existing light to generate pictures where other traditional cameras cannot.

.... The Professional Choice for Every Installation

Feature:

- **1/3" Panasonic high sensitivity image sensor**
  2,227,080 pixels total/ 2,122,848 pixels active
- **Full HD resolution**
  1920*1080P@30fps; 1280*720P@30fps;
- **Day & Night**
  This camera supports filter changed day and night function using DC motor controller. It can be changeable OLPF day to night depending on the luminance level using DC motor. It can be also controlled by external Day and Night port.
- **WDR (Wide Dynamic Range)**
  WDR, more effectively than previous models, by applying an optimum fusion ratio when combining the high speed shutter used in bright areas and the low speed shutter used in dark areas.
- **DNR (Digital Noise Reduction, 2D+3D)**
  The DNR technology eliminates noise thus generating a distinct and clear image. This camera DNR function utilizes both an adaptive 2D filter reducing noise in the brightness of the image and an adaptive 3D filter reducing noise caused by movement.
- **Privacy mask function**
  The privacy zone function makes it possible to make specific areas of the scene from view.
- **On Screen Display**
  This Camera supports the OSD Function. And so the camera can be controlled by selecting text displayed on the monitor screen.
- **Intelligent motion detection**
  You can transmits an alert signal when it detects motion of an object on the screen. This feature is useful when you have to monitor several screens simultaneously.

Installation:

- To prevent shock or damage to the waterproof body, tighten all the screws and cover
- Adjust the sunshield to prevent the lens from direct sunlight.
- Do not directly touch the front glass. To clean the dust, wipe with soft cloth with alcohol.
- Do not install camera where vibration is present.
- Do not install camera where temperature is above 50°C or below -20°C.
- Do not expose power or video connection to moisture or water
- If camera is not functioning properly, please power off and contact the manufacturer.

Note: Non-regulated power supply may cause damage to camera.

Technical Specifications:

Product Name	Starlight Full HD-SDI Camera
Image Sensor	1/3" Panasonic CMOS
Total Pixels	2010H*1108V (2,227,080 Pixel)
Active Pixel	1944H*1092V (2,122,848 Pixel)
System	NTSC /PAL
Resolution	Digital: 1920*1080P; 1280*720P / Analog: 700TVL
Lens	3-8mm Megapixel Lens with Auto Iris and IR-CUT module
Min. Illumination	Color: 1.0Lux, BW: 0.5Lux / Color DSS: 0.002Lux; BWDSS: 0.001Lux
Vodeo Output	HD: HD-SDI, BT.1120 / Analog: NTSC/ PAL (without WDR)
S/N Ratio	More than 50dB (AGC off)
Mode	D&N/ COLOR/ IR CDS
Brightness	0~20
Shutter Speed	Auto/ Manual (x2, x3, x4, 1/30(1/25)~1/60000)
DSS	OFF/x2 /x3 /x4
AGC	0~20
Flickerless	OFF/ON
WDR/BLC	OFF/WDR/BLC
Day & Night	Auto /Ext-in /Day /Night
White Balance	Auto /One Push /Manual /Indoor /Outdoor
HLC	OFF /ON /Night
DNR	OFF /Low /Middle /High /Auto
Mirror	OFF /H /V /H&V
Sharpness	0~10
ACE	OFF /Low /Middle /High
Defog	OFF /On (Auto /Manual)
Freeze	OFF /ON
Gamma	0.45 /0.50 /0.55 /0.60 /0.65
E.Zoom	OFF /Max x2~x32
Privacy	OFF /ON (24 points)
Motion	OFF /ON (3 points)
Language	English /Simplified Chinese /Traditional Chinese /Japanese
Power Input	DC12V ± 10%
Power Consumption	160 mA
Operation Temp.	-10°C~50°C (Humidity: 0%RH~80%RH)
Storage Temp.	- 20°C~60°C (Humidity: 0%RH~80%RH)
Dimension	216L*75W*73H mm
Weight	650g